Claims:

1. A method for processing a liquid-holdable material substance characterized by having a depressurization step of:

impregnating a liquid-holdable material substance that can be impregnated with a liquid having vaporizability or a fluid in a super-critical state to an inside thereof with the liquid having vaporizability or the fluid in the super-critical state, and reducing a pressure inside a processing vessel while the liquid-holdable material substance is charged in the vessel for the liquid or the fluid in the super-critical state that has penetrated to the inside of the liquid-holdable material substance to expand by vaporization, thereby causing the liquid-holdable material substance to expand in a porous manner or grinding the liquid-holdable material substance that has been processed into a porous state using an expanding force.

2. A method for processing a liquid-holdable material substance characterized by having:

a step of charging a liquid-holdable material substance that can be impregnated with a liquid having vaporizability or a fluid in a super-critical state to an inside thereof in a processing vessel;

a penetration step of impregnating the liquid-holdable material substance with the liquid having vaporizability or the fluid in the super-critical state to the inside thereof;

and

a depressurization step of reducing a pressure inside the vessel for the liquid or the fluid in the super-critical state having penetrated to the inside of the liquid-holdable material substance to expand by vaporization, thereby causing the liquid-holdable material substance to expand in a porous manner or grinding the liquid-holdable material substance that has been processed into a porous state using an expanding force.

3. The method for processing a liquid-holdable material substance according to Claim 2, wherein:

the liquid-holdable material substance is heated when the penetration step is performed.

4. The method for processing a liquid-holdable material substance according to any of Claims 1 through 3, wherein:

the liquid-holdable material substance is vibrated when the depressurization step is performed.

5. The method for processing a liquid-holdable material substance according to any of Claims 2 through 4, wherein:

an inside of the vessel is under pressure when the penetration step is performed.

6. The method for processing a liquid-holdable material

substance according to Claim 5, wherein:

the penetration step and the depressurization step are performed repetitively several times.

7. The method for processing a liquid-holdable material substance according to any of Claims 1 through 6, wherein:

after the penetration step and the depressurization step are performed, a post-processing penetration step is performed to impregnate the liquid-holdable material substance with a post-processing fluid by placing an inside of the vessel under pressure in applying post-processing to the liquid-holdable material substance.

8. The method for processing a liquid-holdable material substance according to Claim 7, wherein:

the liquid-holdable material substance is heated at the time of the post-processing penetration step and the post-processing fluid is solidified later by performing a cooling step of cooling the liquid-holdable material substance after the post-processing penetration step ends, and a post-processing depressurization step of reducing a pressure inside the vessel is performed after the cooling step.

9. The method for processing a liquid-holdable material substance according to any of Claims 1 through 8, wherein:

the liquid-holdable material substance is coffee beans.

10. A processor that performs the method for processing a liquid-holdable material substance according to any of Claims 1 through 9, characterized by including:

a vessel having a space within; and

a pressure adjusting portion that performs at least depressurization by adjusting an inside of the vessel.

11. The processor according to Claim 10, including:

a temperature adjusting portion that performs at least one of heating and cooling the inside of the vessel.